

AbstractNickel-based superalloy having high resistance to hot-corrosion for monocrystalline industrial turbine blades

Nickel-based superalloy, suitable for monocrystalline solidification, having the following composition by weight:

Co:	4.75	to	5.25%
Cr:	11.5	to	12.5%
Mo:	0.8	to	1.2%
W:	3.75	to	4.25%
Al:	3.75	to	4.25%
Ti:	4	to	4.8%
Ta:	1.75	to	2.25%
C:	0.006	to	0.04%
B:		≤	0.01%
Zr:		≤	0.01%
Hf:		≤	1 %
Nb:		≤	1 %

Ni and any impurities: complement to 100%.